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SECRET [redacted]

EP 66-102
25.4929

CIA No. 4325
2 November 1966

MEMORANDUM FOR: Robert E. Ebel
Office of Oil and Gas
Department of the Interior

SUBJECT: The Energy Export Potential of the Soviet Bloc Through 1975

The attached data on gas production in Eastern Europe are forwarded in response to your request for the first part of the subject project. Additional information on coal trade in Eastern Europe will be provided in a few days.

25X1A
[redacted]

Attachment:
Production of Gas in Eastern Europe, 1955-65
(Text and table)

Distribution: Project 25.4929
Orig. & 1 - Addressee (W/atts)
1 - St/PR (w/atts)
1 - D/R (w/atts)
2 - R/FP (w/atts)

ORR/R/FP[redacted]:mek/6716 (2 November 1966)

25X1A

GROUP 1
Excluded from automatic downgrading and declassification

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Production of Gas in Eastern Europe, 1955-65

Production of gas in Eastern Europe rose from about 17.6 billion cubic meters in 1955 to an estimated 37.5 billion cubic meters in 1965, an average annual increase of 7.8 percent. During this period natural gas has assumed a more important role in total output; in 1955, natural gas accounted for about 42 percent of the total production whereas in 1965 its share rose to about 56 percent.

Rumania is the major producer of natural gas in Eastern Europe, having accounted for about 84 percent of the output of natural gas in 1955 (35 percent of total production of gas) and about 82 percent in 1965 (46 percent of total output of gas). Poland and Czechoslovakia are the most important producers of manufactured gas. These two countries accounted for about three-fourths of the output of manufactured gas during the 1955-65 period.

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Production of Gas in Eastern Europe
(Millions of cubic meters)

Country	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	Remarks
Albania-Total	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	Although small quantities of natural gas were reported to have been consumed, no production data are available.
Natural gas	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Manufactured gas	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	
Bulgaria-Total	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	N.A.	N.A.	N.A.	50Est.	230Est.	First natural gas pipeline was put into operation early in 1965.
Natural gas	0	0	0	Negl.	Negl.	Negl.	N.A.	N.A.	N.A.	N.A.	50Est.	
Manufactured gas	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	50Est.	180Est.	Manufactured gas production of sizeable quantity began in 1964 when the coke battery at the Kremikovtsi metallurgical plant started operations.
Czechoslovakia-Total	3,571	3,828	4,435	4,857	5,438	5,774	5,911	6,125	6,533	6,727	6,887Est.	
Natural gas	173	274	772	1,246	1,490	1,443	1,410	1,100	988	943	900Est.	
Manufactured gas	3,398	3,554	3,663	3,611	3,948	4,331	4,501	5,025	5,545	5,784	5,987	
East Germany-Total	2,469	2,730	2,790	3,099	3,196	3,360	3,376	3,543	3,685	3,599	3,700Est.	
Natural gas	10	20	24	25	23	40	40	50	100	100	200Est.	
Manufactured gas	2,459	2,710	2,766	3,074	3,173	3,320	3,336	3,493	3,585	3,499	3,500Est.	
Hungary-Total	725	652	651	649	624	691	687	747	1,058	1,266	1,636	
Natural gas	545	452	411	379	334	342	324	340	611	784	1,107	
Manufactured gas	180	200	240	270	290	349	363	407	447	482	529	

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Production of Gas in Eastern Europe
(Millions of cubic meters)
(Continued)

Country	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	Remarks
Poland-Total	4,623	4,925	5,028	5,129	5,372	5,704	6,098	6,401	6,733	7,154	7,380Est.	
Natural gas	393	435	418	382	418	541	722	791	945	1,180	1,280	
Manufactured gas	4,230	4,480	4,610	4,747	4,954	5,163	5,376	5,610	5,788	5,974	6,100Est.	
Rumania-Total	6,169	6,756	7,297	8,313	9,305	10,142	10,914	12,906	14,262	15,483	17,281	
Natural gas	6,169	6,756	7,297	8,313	9,305	10,142	10,914	12,906	14,262	15,483	17,281	
Manufactured gas	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	Negl.	
Yugoslavia-Total	81	94	68	72	76	93	106	141	244	335	395Est.	
Natural gas	55	67	42	46	50	53	69	95	191	274	330	
Manufactured gas	26	27	26	26	26	40	37	46	53	61	65Est.	
Grand Total	17,638	18,985	20,269	22,119	24,011	25,764	27,092	29,863	32,515	34,614	37,509Est.	
Natural gas	7,345	8,004	8,964	10,391	11,620	12,561	13,479	15,282	17,097	18,764	21,148Est.	
Manufactured gas	10,293	10,971	11,305	11,728	12,391	13,203	13,613	14,581	15,418	15,850	16,361Est.	

* Classification necessitated by East German natural gas data. (If "negligible" substituted for all data thru 1962 in East Germany, classification can be lowered to Confidential)

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East European Trade in Solid Fuels, 1958-65

Poland is the only significant exporter of solid fuels among the East European countries. Czechoslovakia exports appreciable quantities of coking coal and coke but must import almost an equivalent amount of industrial coal to meet its domestic demand for fuel. The other East European countries are net importers of solid fuels. In 1965, foreign trade in hard coal for the East European countries as a group was approximately balanced, net imports of about 8.3 million metric tons from the USSR were offset by about 8.5 million tons of net exports to the Free World. Almost all of the hard coal exports to the Free World were of Polish origin.

In the attached table, most of the totals shown are the official statistics of the individual countries. Components of the totals have been forced, in some instances, to approximate the official totals. Adjustments have been made in the components to indicate the actual physical movement of fuel, such as the delivery of Polish coal and coke to East Germany on the USSR account. Appropriate footnotes are included where necessary.

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East European Trade in Solid Fuels 1958-65

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
BULGARIA								
Imports:								
Hard coal: USSR	0	0	10	505	932	1,283	1,994	2,504
Total Hard coal imports	0	0	10	505	932	1,283	1,994	2,504
Hard coal coke: USSR	90	129	121	111	104	139	176	103
East Europe	103	177	222	230	222	178	176	161
Total Hard coal coke imports	193	320 a/	344	341	326	317	352	264
Exports:								
Hard coal: East Europe	52	55	54	49	51	36	2	0
Total Hard coal exports	52	55	54	49	51	36	2	0
CZECHOSLOVAKIA								
Imports:								
Hard coal: USSR	1,008	1,017	1,028	1,377	2,724	2,983	3,382	2,902
East Europe	1,567	1,336	1,364	1,797	1,137	1,265	1,662	1,636
Free World	1	2	10	181	162	98	0	0
Total Hard coal imports	2,576	2,355	2,402	3,355	4,023	4,346	5,044	4,538
Hard coal coke: USSR	0	0	3	96	25	32	68	7
Other (source unknown)	1	13	37	0	0	0	0	0
Total Hard coal coke imports	1	13	40	96	25	32	68	7

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
CZECHOSLOVAKIA (Continued)								
Brown coal: East Europe	59	47	0	87	12	70	72	0
Total Brown coal imports	59	47	0	87	12	70	72	0
Brown coal briquettes: East Europe	177	341	775	580	740	777	892	662
Total Brown coal briquettes imports	177	341	775	580	740	777	892	662
Exports:								
Hard coal: East Europe	1,187	1,170	1,674	1,896	1,832	2,002	2,205	1,933
Free World	319	420	521	551	553	331	383	445
Total Hard coal exports	1,506	1,590	2,195	2,447	2,385	2,333	2,588	2,378
Hard coal coke: East Europe	952	1,122	1,109	1,204	1,390	1,565	1,540	1,407
Free World	93	87	208	166	180	193	348	428
Total Hard coal coke exports	1,045	1,209	1,317	1,370	1,570	1,758	1,888	1,835
Brown coal: East Europe	123	97	88	95	66	190	57	43
Free World	973	986	1,075	1,103	1,118	1,179	1,096	997
Total Brown coal exports	1,096	1,083	1,163	1,198	1,184	1,369	1,153	1,040
Low-temperature brown coal coke: Free World	124	181	219	168	179	120	111	98
Total Low-temperature brown coal coke exports	124	181	219	168	179	120	111	98

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
CZECHOSLOVAKIA (Continued)								
Brown coal briquettes: Free World	46	52	61	118	183	303	146	47
Total Brown coal briquettes exports	46	52	61	118	183	303	146	47
EAST GERMANY								
Imports:								
Hard coal: USSR	1,270	1,084	721	1,127	2,324	1,189	1,848	459
East Europe b/	6,117	6,317	7,161	6,902	7,101	7,201	7,680	8,744
Free World	432	1,039	248	154	348	751	1,073	420
Total Hard coal imports	7,819	8,440	8,130	8,183	9,773	9,141	10,601	9,623
Hard coal coke: USSR	236	322	368	741	793	847	858	855
East Europe b/	1,975	1,945	1,952	2,021	2,052	2,254	2,338	2,314
Free World	241	333	207	81	121	129	113	36
Total Hard coal coke imports	2,452	2,600	2,527	2,843	2,966	3,230	3,309	3,205
Brown coal: East Europe	5,249	5,851	5,531	5,952	5,727	5,787	5,449	5,218
Total Brown coal imports	5,249	5,851	5,531	5,952	5,727	5,787	5,449	5,218
Exports:								
Brown coal: Free World	180	208	207	205	198	197	303	300
Total Brown coal exports	180	208	207	205	198	197	303	300

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
EAST GERMANY (Continued)								
Brown coal briquettes: East Europe	675	1,819	1,613	1,726	1,678	1,739	2,031	1,821
Free World	5,515	4,530	4,726	4,479	4,924	5,242	4,768	4,141
Total Brown coal briquettes exports	6,190	6,349	6,339	6,205	6,602	6,981	6,799	5,962
Brown coal coke c/: Free World	78	87	106	119	115	114	122	125
Total Brown coal coke exports	78	87	106	119	115	114	122	125
HUNGARY								
Imports:								
Hard coal: USSR	89	67	204	434	300	898	1,336	1,000
East Europe	1,053	1,160	1,227	1,291	1,412	1,460	1,903	1,662
Free World	0	0	0	0	0	155	0	0
Total Hard coal imports	1,142	1,227	1,431	1,725	1,712	2,513	3,239	2,662
Hard coal coke: USSR	622	564	567	538	523	636	628	577
East Europe	524	529	507	484	501	505	573	537
Total Hard coal coke imports	1,146	1,093	1,074	1,022	1,024	1,141	1,201	1,114
Brown coal: East Europe	44	17	0	19	0	177	0	0
Total Brown coal imports	44	17	0	19	0	177	0	0
Brown coal briquettes: East Europe	33	185	428	558	430	500	565	578
Total Brown coal briquettes imports	33	185	428	558	430	500	565	578

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
HUNGARY (Continued)								
Exports:								
Brown coal: USSR	50	48	56	46	49	75	75	NA
East Europe	0	0	0	87	12	70	NA	NA
Free World	2	8	7	3	3	8	9	NA
Total Brown coal exports	52	56	63	136	64	153	84*	NA
Hard coal coke: Free World	0	0	0	22	77	121	89	NA
Total Hard coal coke exports	0	0	0	22	77	121	89	NA
POLAND								
Imports:								
Hard coal: USSR	385	440	479	578	698	929	927	944
East Europe d/	209	471	317	303	301	323	363	301
Free World	47	0	0	47	63	0	9	0
Total Hard coal imports	641	911	796	928	1,062	1,252	1,299	1,245
Hard coal coke: East Europe	0	0	0	53	103	175	9	0
Free World	0	0	112	0	0	0	0	0
Total Hard coal coke imports	0	0	112	53	103	175	9	0
Brown coal briquettes: East Europe	500	1,313	409	592	510	520	631	637
Total Brown coal briquettes imports	500	1,313	409	592	510	520	631	637

* Incomplete.

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
POLAND (Continued)								
Exports:								
Hard coal: USSR	53	156	175	176	226	239	238	1,128
East Europe b/ e/	7,615	8,029	8,322	8,102	8,102	8,277	10,032	10,872
Free World	8,536	7,821	9,000	8,773	8,978	8,376	8,998	9,045
Total Hard coal exports	16,204	16,006	17,497	17,053	17,306	16,892	19,268	21,045
Hard coal coke: East Europe b/	1,911	1,941	1,959	1,958	1,935	1,989	1,965	1,993
Free World	158	128	127	181	210	363	284	331
Total Hard coal coke exports	2,069	2,069	2,086	2,139	2,145	2,352	2,249	2,324
Brown coal: East Europe	5,192	5,768	5,455	5,872	5,660	5,736	5,381	5,199
Total Brown coal exports	5,192	5,768	5,455	5,872	5,660	5,736	5,381	5,199
RUMANIA								
Imports:								
Hard coal: USSR	3	26	133	149	395	190	201	251
East Europe	149	166	283	292	289	296	349	370
Free World	0	0	0	0	66	212	168	85
Total Hard coal imports	152	192	416	441	750	698	718	706
Hard coal coke: USSR	402	419	407	239	431	618	599	541
East Europe	214	281	249	241	288	300	261	265
Free World	0	0	0	0	0	0	86	124
Total Hard coal coke imports	616	700	656	480	719	918	946	930
Exports:								
Negligible								

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East European Trade in Solid Fuels 1958-65
(Continued)

(Thousands of metric tons)

	1958	1959	1960	1961	1962	1963	1964	1965
YUGOSLAVIA								
Imports:								
Hard coal: USSR	737	876	926	917	974	1,053	1,096	1,056
East Europe	17	1	23	127	26	23	486	615
Free World	336	417	434	429	369	385	446	518
Total Hard coal imports	1,090	1,294	1,383	1,473	1,369	1,461	2,028	2,189
Hard coal coke: USSR	0	0	97	16	52	11	11	0
East Europe	45	223	108	110	149	144	123	82
Free World	12	19	100	73	46	75	58	27
Total Hard coal coke imports	57	242	305	199	247	230	192	109
Exports:								
Hard coal f/: Free World	129	153	115	114	110	146	158	102
Total Hard coal exports	129	153	115	114	110	146	158	102

a. Includes 14,000 tons from the Netherlands.

b. Includes Polish coal or coke credited to USSR.

c. Includes both low and high temperature coke.

d. Coking coal, probably from USSR.

e. Includes shipments to Cuba as follows, in thousands of tons: 26 in 1961; 21 in 1962; 22 in 1963; 27 in 1964; and 9 in 1965.

f. Mixture of hard coal and brown coal.

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